THE UNITED SHAMES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME: Moran Seeds, Inc.

Colligians, there has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF ${f LAW}$ IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE ${f PLANT}$ VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY. AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED to be entitled to a certificate of plant variety protection under the ${f LAW.}$

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLI-CANT(S) FOR THE TERM OF eighteen YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASTC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EX-LUDE OTHERS FROM SELLING 'I-HE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, MPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT K THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT £42, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

TOMATO

8200105

'Moran 3053'

In Zestimony Winercot, I have hereunto set my hand and caused the seal of the Elant Variety Protection Office to be affixed at the City of washington, D.C.

this 26th day of November the year of our Lord one thousand nine fundred and eighty-two

commissioner Plant Variety Protection Offics Agricultural Marketina Service

ADDITION FOR DIANT VARIETY PROTECTION CERTIFICATE		FORM APPROVED: OMB NO. 0581-0005 No certificate for plant variety protection may be issued unless a completed appli-		
(Instructions		10N CERTIFICATE	cation 553).	form has been received (5 U.S.C.
1. NAME OF APPLICANT(S) Moran Seeds, Inc.		2. TEMPORARY DESIGNATION -NEX 3053 MORAN 3053	3. V	None MORAN 3053
4. ADDRESS (Street end No. or R.F.D. No., City, State	, and Zip Code)	5. PHONE (Include area code)		FOR OFFICIAL USE ONLY
1155 Harkins Road Salinas, CA 93901		(408) 757-3651	I3V:PC	8200105
6. GENUS AND SPECIES NAME	7. FAMILY NAM	ME (Botanical)	(7)	DATE
Lycopersi con escul entum	Lycopersi con escul entum Sol anaceae		FILING	4/20/82 TIME 10:30 X A.M.
8. KIND NAME	9.	DATE OF DETERMINATION		AMOUNT FOR FILING
Tomato		September, 1979	RECEIVED	\$ 500.00 DATE 4/20/82
10. IF THE APPLICANT NAMED IS NOT A "PERSO partnership, association, etc.) Corporation	DN," GIVE FORM	OF ORGANIZATION (Corporation),	FEESTE	AMOUNT FOR CERTIFICATE \$ 250.00 DATE 10/19/82
11. IF INCORPORATED, GIVE STATE OF INCORP California	PORATION			DATE OF INCORPORATION ecember 29, 1978
a. X Exhibit A, Origin and Breeding History of the Section 52 of the Plant Variety Protection A b. X Exhibit B, Novelty Statement	ct.)	d. Exhibit D, Additional	rotectio Descri _j	ption of the Variety
15. DOES THE APPLICANT(S) SPECIFY THAT SEE SEED? (See Section 83(a) Of the Plant Variety I	OF THIS VARI Protection Act.)	Yes (If "Yes," answer		
16. DOES THE APPLICANT(\$) SPECIFY THAT THI LIMITED AS TO NUMBER OF GENERATIONS?	S VARIETY BE	BEYOND BREEDER SE	ED?	CLASSES OF PRODUCTION
Yes c l No 18. DID THE APPLICANT(S) FILE FOR PROTECTION	N OF THE VARI	I cl Foundation ETY IN THE U.S. OR OTHER COU		
				Yes (If "Yes," give name of countries and dates) No
19. HAVE RIGHTS BEEN GRANTED IN THE U.S.	OR OTHER COU	NTRIES?		Y 65 (If "Yes, "give names of countries and dates)
				X No
20. The applicant(s) declare(s) that a viable samp plenished upon request in accordance with su. The undersigned applicant(s) is (are) the own distinct, uniform, and stable as required in S. Variety Protection Act.	nch regulations a ner(s) of this sex ection 41, and i	as may be applicable. ually re produced novel plant va s entitle d to protection under th	riety, e prov	and believe(s) that the variety is isions of Section 42 of the Plant
Applicant(s) is (are) informed that false repre	SCHIALIUM NEFEL	n can jeopatuize protection and r		n penaities, DATE
Illuino 1	Jen 11	ng		4/15/8
SIGNATURE OF APPLICANT				DATE

INSTRUCTIONS

General: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$500 fee (\$250 filing fee and \$250 examination fee) to U.S. Department of Agriculture, Agricultural Marketing Service, Livestock, Meat, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

Item

- 9 Give the date the applicant determined that he had a new variety based on (1) the definition in section 41 (a) of the Act and (2) the date a decision was made to increase the seed.
- Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability.
- Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties: (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- 14c Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.
- Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- If "Yes" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "No," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)
- 16 See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.

AND, LICES DIV.

EXHIBIT A

Origin and breeding history of the variety.

NICLAN

10 | ST | 1. HEX 3053 originated in California from a hand pollinated cross between Rutgers 8828 and 2 manufactures are seen as a second and 2 manufactures are seen as a second a manufacture and 2 manufactures are seen as a second a manufacture and 2 manufactures are seen as a second and 2 manufactures are second as cross between Rutgers 8828 and a propriatary line which resulted from a cross of A48 (Calif.) times Kecskemeti 1030 (Hungary). The crosses were completed in 1969.

- 2. Pure line selections were made through the F-8. F-9 was bulk harvested as line 1074 and assigned NCX 3053 Selections were based on horticultural type for machine harvest and for high soluable solids. Yield and adaptation studies were conducted in up to twenty-five locations from 1979 to 1981.
- 3. NCX 3053 breeds true and no varients have been found.
- 4. The genetic makeup was stabilized in F-8. Three successive years of field trials showed no offtypes and therefore a homogenous variety. Soluable solids data indicate that NCX 3053 is slightly higher than the standard variety 7879 in most environments.

EXHIBIT B

Novelty statement

Novelty stat

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE LIVESTOCK, GRAIN, AND SEED DIVISION BELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY TOMATO (Lycopersicon esculentum Mill.)

	n esculentum Mill.)	
Name of applicant	Temporary designation Morean NOX 3053	Variety Name
Moran Seeds,' Inc.	-NGX- 3053 10/27/82	
Address (Street and No. or R.F.D. No., Cit Post Office Box 2508 El Macero, California 95618	y, State, Zip)	POR OFFICIAL USE ONLY PVPO NUMBER 8200105
Choose responses which best represent your single quantitative value is requested (e.gmean of an adequate, -unbiased sample of prompared with at least one well-known stanger of the character grown under normal conditions of culture trial data are from greenhouse or from transplanted. Give locations and complete this form as fully as possible from the complete of	g. fruit weight), your plants. The applicant valued dard check variety of the son this form should be for the variety. Indication of the variety. The lates of trials Davis roes when necessary (e.g.	answer should be the ariety should be he same type, and be described from plants to by a check whether ials direct-seeded X a. Ca. Aug 1981
1. SEEDLING: (2-15 cm, well-illuminated) 2 Anthocyanin in hypocotyl: 1 = ak Cotyledon: 1 = no		
2. MATURE PLANT: Growth: 1 = Indeterminate 2 = Size (compared to others of its general Habit: 1 = sprawling (decutnbent) Foliage cover: 1 = light 2 = m	rowth type): $1 = \text{small}$ 2 = semi-erect $3 =$	2 m medium 3 = large
El Internode length (between the 1st 1 = short () 2 = I Branching: 1 = sparse (Brehm's Some series) 3 = profuse (UC82) Branching at cotyledonary or first Pubescence: 1 = smooth (no long 3 = densely hairy or No. of nodes below the first inf 1 = few (2-3) 2 = In No. of nodes (leaves) between information in the series of the series the se	ntermediate () olid Red) 2 = intermed t leafy node: 1 = prese hairs) 2 = sparsely b canescent lorescence: termediate ()	<pre>3 * long () dlate () ent 2 * absent hairy (scattered long hairs) 3 * many ()</pre>
4. LEAF (Mature leaf under the 1st to 3 Type: 1 = tomato 2 = potato Division: 1 = once-pinnate 2 = 3 = bipinnate, many smal Attitude: 1 = semi-erect 2 = 1 Leaflet blade: 1 = thin 2 = med Bases of major leaflets: 1 = even Margins of major leaflets: 1 = n	intermediate (pinnate-b.1 leaflets with the lar norizontal 3 = droopin ium 3 = thick n 2 = oblique (the side early entire 2 = shall eeply toothed or cut, es	oipinnate) rge ones ng s offset on petiole) lowly toothed or scalloped

(9)

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TOMATO - 2
4. LEAF (Mature leaf under-the 1st to 3rd inflorescences) (continued):
          Surface of major leaflets: 1 ■ smooth
                                                          2 - rugose (bumpy or veiny)
          Leaflet: l = normal 2 = slightly wilty 3 = wilty
          Shape of major leaflets: 1 • broadly ovate 2 • ovate to lanceolate 3 • slender and lanceolate, tapered to a point
          Pubescence or hairiness: 1 = smooth 2 = normal 3 = wooly
         Color of leaflets: 1 = light green (Earliaorth) 2 = medium green (
     3 = gray-green ( ) 4 = dark green (UC82) 137A)

Color of leaf on check variety (same scale): Variety VF145-7879(146A)
     INFLORESCENCE:
     1 Type: 1 = simple (racemose) 2 = forked (2 major axes) 3 = compound (much branche
     1 No. of flowers setting fruit (in 2nd or 3rd inflorescence):
             1-1-4, 2 = 4-8, 3 = 8-12, 4 = 12 or more
     FLOWER:
     [1] Calyx: 1 = normal (lobes awl-shaped) 2 = tnacrocalyx (lobes large, leaflike)
                   3 = fleshy
     1 Flower color: 1 = yellow 2 = \text{old gold} 3 = white or tan
         Style exsertion: 1 = included 2 = even with stamens 3 = exserted
         Style pubescence: 1 = absent 2sparse = dense
         Anthers: 1 - all fused into tube 2 - separating into 2 or more groups at anthesis
         Fasciation (1st flower of 2nd or 3rd infloresence):
             1 = absent 2 =
                                     occasiopmaelslent 3 = frequently present
     FRUIT (3rd fruit of 2nd or 3rd cluster):
         Abscission layer: 1 \blacksquare present (pedicellate) 2 \blacksquare absent (jointless) \blacksquare Length of pedicel (from abscission layer or joint to \mathtt{calyx} attachment)
         Mature fruit: Maximum diameter:
                                                                    23 large cherry (20-35 mm)
4 = U.S. extra small (48-54 mm)
                            1 = small cherry (<20 mm)
                            3 = \text{cocktail} (35-48 \text{ mm})
4 = \text{U.S. extra small} (48-54 \text{ mm})
5 = \text{U.S. small} (54-58 \text{ mm})
6 = \text{U.S. medium} (58-64 \text{ mm})
7 = \text{U.S. large} (64-73 \text{ mm})
8 = \text{U.S. extra large} (73-88 \text{ mm})
                            9 = U.S. maximum large (88-100 mm) 10 = U.S. maximum large ( > 100 mm)
    Maximum diameter of check variety, same classes as above (Specify name) VF145-7879
0 7 3 g Fruit weight 0β 7 g Check variety VF145-7879
    4 Predominant fruit shape:
                     (1)
                                                (2)
                                                                        (3)
                                                                                              (\overline{4})
       (5)
                             (6)
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7. FRUIT (3rd fruit of 2nd or 3rd cluster):
Shape of transverse section:
3 Shape of blossom end: l=indented 2=flattened 3=angular 4=irregular 2=flat 3=nippled 4=tapered
Shape of stem end: l=flat
Shape of pistil scar: () () () () () () () () () (
Truit surface: 1 = smooth 2 = slightly fasciated 3 = moderately fasciated Fruit color (mature-green stage): 1 = light green ('Lanai', VF145-F5) 2 = Lt. gray-green ()
3 = apple green ('Heinz 1439 VP') 4 = dark green () Fruit pattern (mature-green stage): 1 = green shouldered 2 = uniform green Mature fruit color (full-ripe): 1 = white 2 = yellow 3 = tangerine 4 = pink 5 = red 6 = brownish-red 7 = greenish 8 = other (specify)
Flesh color (full-ripe): 1 = yellow 2 = red 3 = crimson 4 = other Epidermis: 1-normal 2 = easy-peel Epidermis color: 1 = colorless 2 = yellow Epidermis thickness: 1 = thin 2 = average 3 = thick Thickness of pericarp: 1 = thin (73 mm) 2 = medium (3-6 mm) 3 = thick (> 6 mm) Thickness of pericarp of check variety (same scale) Variety: yF145-7879 Core size: 1 = coreless 2 = small 3 = medium 4 = large Core shape: 1 = solid, unbranched 2 = branched
Core texture: 1 = soft, edible 2 = tough or fibrous Stem scar size: 1 = small () 2 = medium (7-8 mm) 3 = large (No. of locules: 1 = two 2 = three and four 3 = five or more Fruit firmness¹ (minimum table-ripe): 1 - extra-soft ('Gardener') 2 = very soft ('Valiant') 3 = soft ('Campbell 28') 4 = fairly firm ('Tropic') 5 = firm ('MH-1') 6 = very firm ('UC-82')
8. PHENOLOGY (Growing degree days, or heat units on a base temperature of 51° F are preferablebut you may report either growing degree days or calendar days. Circle either "days" for calendar days, or "heat units" for growing degree days):
(Days/beat units from seed to first open flower: 46 days, Application variety 48 days, Check variety No. 1 VF145-7879 48 days, Check variety No. 2 Niagara 3032
(!pays/beat units from(seed/transplant (indicate which) to first ripe fruit: days, Application variety days, Check variety No. 1 VF145-7879 days, Check variety No. 2 Niagara 3032 definitions of these subjective terms see Kader & Morris (1976) In: Proc. 2nd Tomato Quality
rehon

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TOMATO = 4
8. PHENOLOGY (Growing degree days, or heat units on a base temperature of 51° F are preferablebut you may report either growing degree days or calendar days. Circle either "days" or calendar days, or "heat units" for growing degree days) (Continued):
Deys/heat units from seed/transplant (indicate which) to once-over harvest, if applicable:
12 5 days, Application variety 12 5 days, Check variety No. 1 VF145-7879 days, Check variety No. 2 113 5
Days/heat units from breaker to full-ripe stage: O 7 days, Application variety O 8 days, Check variety No. VF145-7879 O 10 0 days, Check variety No. 2 No.
N/Shelf life of ripe fruit: days, Application variety days, Check variety No. 1 days, Check variety No. 2
Fruiting season: 1 = long ('Marglobe') 2 = medium ('Westover') 4 ** very concentrated ('UC 82') Relative maturity: 1 = early 2 = medium early 3 = medium 4 = medium late 5 = late
9. ADAPTATION (if more than one category applies, list all in rank order):
Culture: 1 = field 2 = greenhouse 1 = unstaked 2 = staked or trellised Principal use(s): 1 = home garden 2 = fresh market 3 = processing 4 = other
1
11 • Other (specify) 2 Growing season temperature: 1 • cool 2 • normal warm 3 = hot 4 = general 2 Growing season humidity: 1 = humid 2 = semi-arid 3 = general 3 Soils: 1 • mineral 2 • organic 3 = general
10. RESISTANCE OR TOLERANCE TO ENVIRONMENTAL STRESS:
High temperature fruit set (subjective evaluation based on fruit set at temperatures that normally inhibit set in area of evaluation): 1 - poor 2 - fair 3 - good ('Summertime') AREA Imperial Valley, Ca.
Low temperature fruit set (subjective evaluation based on fruit set at low temperatures that normally inhibit germination): 1 = poor 2 = fair 3 = good ('Veecrop')
AREA Davis, California 1 = poor () 2 = fair () 3 = good ()
11. RESISTANCE TO FRUIT DISORDERS (Use code: O-unknown, 1=susceptible, 23resistant):
2 Blossom end rot 2 Bursting 2 Catface 0 Cracking, radial
O Cracking, concentric O Fruit pox
O Gold fleck 2. Graywall or blotchy ripening

	TOMATO - 5
12. DISEASE AND PEST REACTION (Use code: O-not tested novelty is based wholly or in part upon disease resist D) and should include date and location Of trial(S), me variety, and reaction of check varieties (identified by	<pre>ance, trial data should be appended (Exhib thod of testing, reaction of application</pre>
Viral Diseases:	
O Cucumber mosaic O Tobacco mosaic, Race 0 O Tobacco mosaic, Race 22 (Tm 22) O Tomato spotted will other (specify)	Potato-Y virus Tobacco mosaic, Race 2 (Tm. lt O Tomato yellows
Bacterial Diseases:	
O Bacterial canker (Corynebacterium michiganense) O Bacterial speck (Pseudomonas tomato) O Bacterial wilt (Pseudomonas solanacearum) Other bacterial disease (specify)	Bacterial soft rot (<u>Erwinia carotov</u> ora) Bacterial spot (<u>Xanthomonas vesicatorium</u>)
Fungal Diseases:	
Brown root rot or corky root (Pyrenochaeta lycopersici) Description Other transport of the properties of the propertie	Collar rot or stem canker (Altemaria solan Fusarium wilt, Race l(F.oxysporum f. lycopers Gray leaf spot(Stemphylium solani, S.florida Late blight, Race 1 (Phytophthora infestans Leaf mold, Race 2 (C. fulvum) Leaf mold, other races(specify) Phytophthora root rot (P. parasitica) Septoria leaf blight (Septorla spp.) Target leafspot (Corynespora casicola) Verticillium wilt, Race 2 (V. albo-atrum)
O Colorado potato beetle (Leptinotarsa decemline ata) Root knot nematode (Meloidogyne incognita) Spider mites (Tetranychus spp.) Sugar beet army worm (Spodopfora exigua) Tobacco flea beetle (Epitrix hirtipennis) Tomato hornworm (Manduca quinquemaculata) Tomato fruitworm (Heliothis zea) Whitefly (Trialeurodes vaporariorum) Other (specify)	
'ollutants:	
Ozone . O Sulfur dioxide Other	(specify)
Anonymous, 1976, All About Tomatoes. Ortho Books, three volumes: Midwest/Northeast Edition, West Ware, G. W. & J. P. McCollum, 1968. Producing Veget Publishers, Inc., Danville, Illinois. (Chapter Webb, R. E., T. H. Barksdale, & A. K. Stoner, 1973, Breeding Plants for Disease Resistance. Penns Young, P. A. & J. W. MacArthur, 1947. Horticultural Exper. Station No. 698.	Chevron Chemical Co., San Francisco. In Edition, and South Edition. table Crops. The Interstate Printer & 30, pp. 451-473, "Tomatoes".) "Tomatoes" pp. 344-361 In: Nelson, R.R. (Edylvania State University Press, University Page 1988)

5~ EXHIBIT D

er 1,2-4.

Data indicative of novelty.

MORAN

The enclosed data is from the 1980 and 1981 trials of a major Cal ifornia processor. This data compares the performance of NCX 3053 with industry standards in 58 different locations.

ASSIGNMENT

WHEREAS, Moran Seeds, Inc. ("Moran"), a corporation duly organized and existing under the laws of the State of Delaware is the owner of United States Plant Variety Protection Certificates (the "Certificates"), listed in Exhibit A hereto and Pending United States Plant Variety Protection Applications (the "Applications"), listed in Exhibit B hereto: and

WHEREAS, in accordance with a Technology Transfer Agreement (the "Transfer Agreement") among Celanese Corporation ("Celanese"), Moran Seeds, Inc., Joseph Harris Company, Inc., CelPril Industries,. Inc., Harris Moran International B.V. ("Sellers"), Virginia Chemicals, Inc., Les Produits Organiques du Santerre-Orsan S.A. ("Orsan"), HMS Acquisition Inc., CP Acquisition Inc., and Exploitatiemaatschappij Wolwevershaven B.V., dated January&, 1985, and a Purchase Agreement dated December 7, 1985, as amended, among Celanese, Sellers and Orsan, Orsan has purchased from Moran said Certificates and Applications.

NOW, THEREFORE, in accordance with said Transfer Agreement and Purchase Agreement, Moran assigns to Orsan all of its rights, title and interest in and to said Certificates and Applications.

Moran hereby authorizes Orsan to apply for and obtain the recordation of this Assignment. Moran agrees that it shall, without further consideration, promptly and duly cause to be performed such lawful acts and execution of any other documents as Orsan may reasonably request in order for Orsan to obtain the full benefits of this Assignment and to permit Orsan to be duly recorded in each office, bureau and tribunal in the appropriate jurisdiction as the registered owner or proprietor of each of the rights hereby assigned. such instruments and documents shall include, without limitation, such applications, affidavits and other documents for filing in such jurisdictions as Orsan may from time to time reasonably request.

By these presents Orsan does hereby accept this Assignment and authorize the recording thereof with the appropriate authorities aforesaid.

IN WITNESS WHEREOF, the parties have caused this Assignment to be executed by its proper officers thereunto duly authorized this the day of January, 1985.

MORAN SEEDS, INC., Assignor

David A. Jenkins Vice President

LES PRODUITS ORGANIQTJES DU **SANTERRE-ORSAN** S.A. Assignee

By: 1 Little: Money : in - first

STATE OF New York
COUNTY OF New York

Before me, a **Notary Public**, in and for said County, personally appeared ________ who acknowledged that he is _______ which executed the foregoing instrument and who acknowledged he signed said instrument on behalf of said corporation by authority of its Board of Directors; and that said instrument is the free corporate act and deed of said Moran Seeds, Inc.

of January, 1985 at New York this 10 th day

NOTARY PUBLIC

(Notary Public)

My Commission Expires:

ALEX O LENGYEL

Note: For some of teaching to the community of English March 20 the 4

STATE OF New York COUNTY OF Now York

Before me, a Notary Public, in and for said County, personally appeared fature laterty who acknowledged that he is Products Organiques du Santerre-Orsan S.A., the corporation which executed the foregoing instrument and who acknowledged he signed said instrument behalf of said corporation by authority of its Board of Directors; and that said instrument is the free corporate act and deed of said Les Produits Organiques du Santerre-Orsan day of January, 1985.

Sworn before me_at New York this 10th

Class C. Lengyel

(Notary Public)

My Commission Expires:

> Notan Pub is State of New York Granding Explication County Control (County County County

Exhibit A

<u>United States Plant Variety Protection Certificates</u>

Cert. No.	Date Issued_	<u>Kind</u>	<u>Variety</u> Name	<u>Owner</u>
7200145	10/30/74	Garden Bean	Gem	Moran Seeds, Inc.
7200146	11/15/74	Watermelon	Charleston 76	Moran Seeds, Inc.
7400013	5/9/74	Lettuce	Calmaria	Moran Seeds, Inc.
7400014	6/19/74	Lettuce	Cal K-60	Moran Seeds, Inc.
7400071	6/19/74	Lettuce	Cabrillo	Moran Seeds, Inc.
7600032	9/15/77	Lettuce	Vanagara	Moran Seeds, Inc.
7600039	12/8/77	Lettuce	Morangold	Moran Seeds, Inc.
7800028	5/31/79	Muskmelon	Valley Gold	Moran Seeds, Inc.
7900038	1/14/82	Garden Bean	Blue Duet	Moran Seeds, Inc.
7900039	7/15/82	Snapbean	Score	Moran Seeds, Inc.
7900066	11/27/79	Cauliflower	Snowball 123	Moran Seeds, Inc.
8000020	7/31/80	Muskmelon	Top Net	Moran Seeds, Inc.
8000082	12/10/81	Lettuce	Delmar	Moran Seeds, Inc.
8200019	10/28/82	Onion	OMO M	Moran Seeds, Inc. Oshita, Inc.
8200061	3/24/83	Watermelon	Sun Gold	Moran Seeds, Inc.
8200104	10/28/82	Tomato	Advantage	Moran Seeds, Inc.
8200105	11/26/82	Tomato	Moran 3053	Moran Seeds, Inc.
8200027	4/23/83	Lettuce	El Toro	Moran Seeds, Inc.
8100172	9/29/83	Lettuce	Van Mor	Moran Seeds, Inc.
8300113	8/31/84	Muskmelon	Top Net SR	Moran Seeds, Inc.

Pending	United States Pi	lant Variety	y Protection Appl	<u>ications</u>	
Application No.	Filing Date	Kind	<u>Variety Name</u>	Owner	
8100167	9/9/81	Lettuce	Yuma	Moran Seeds, Inc.	
8300155	7/18/83	Celery	Bishop	Moran Seeds, Inc.	
8300156	7/18/83	Celery	Deacon	Moran Seeds, Inc.	
8300172	9/1/83	Tomato	Diego	Moran Seeds, Inc.	
8400013	12/1/83	Lettuce	Greenfield	Moran Seeds, Inc.	

DEED OF ASSIGNMENT

WHEREAS, Les Produits Organiques du Santerre – ORSAN (S.A.), a French corporation having a place of business at 16 rue Ballus, 75009 Paris, France (hereinafter referred to as "ASSIGNOR") owns and is using the Plant Variety Protection Certificates listed on the attached Exhibit for the indicated varieties which were awarded to ASSIGNOR by the Secretary of Agriculture on the indicated dates upon applications filed with the United States Plant Variety Protection Office; and

WHEREAS, Arisix (S. A.), a French corporation having a place of business at 6 1 rue des Belles Feuilles, 75 116 Paris, France,

(hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to the said varieties and Plant Variety Protection Certificates;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, title and interest in and to the said varieties and said Plant Variety Protection Certificates in the United States including reissues, and including the right to enforce such rights against any past, present or future violation thereof, the said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any right, title and interest assigned and transferred hereby.

ASSIGNOR further agrees that it will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the assignment of said Certificates and the perfection of all rights thereto, execute, verify, acknowledge and deliver all such further papers and instruments of assignment and transfer

thereof, and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain the listed Certificates and to vest title thereto in said ASSIGNEE or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, an authorized representative of ASSIGNOR has hereunto signed its name to this assignment on the date indicated below.

	Les Produits Organiques du Santerre - ORSAN (S.A.)
Date: //1/95	The Sheez
	Print Name
	A
	PRESIDENT Print Title
personally appeared the above-na	1993, before me, the undersigned notary public, med assignor, known to me (or proved to me on to be the person whose name is subscribed to the liged that he executed the same.
	(Notaire)
Seal/Stamp	College Baris le M.A. 199

DEED OF ASSIGNMENT

WHEREAS, Arisix (S.A.), a French corporation having a place of business at 61 rue des Belles Feuilles, 75 116 Paris, France (hereinafter referred to as "ASSIGNOR") owns and is using the Plant Variety Protection Certificates listed on the attached Exhibit for the indicated varieties which were awarded to ASSIGNOR by the Secretary of Agriculture on the indicated dates upon applications filed with the United States Plant Variety Protection Office; and

WHEREAS, Clause (S.A.), a French corporation having a place of business at 1 Avenue Lucien Clause, 91221 Bretigny sur ORGE Cedex, France,

(hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to the said varieties and Plant Variety Protection Certificates:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, title and interest in and to the said varieties and said Plant Variety Protection Certificates in the United States including reissues, and including the right to enforce such rights against any past, present or future violation thereof, the said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any right, title and interest assigned and transferred hereby.

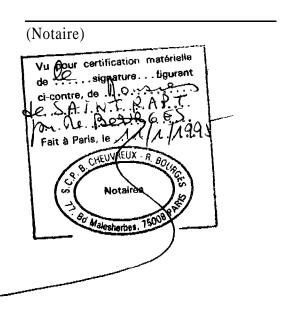
ASSIGNOR further agrees that it will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the assignment of said Certificates and the perfection of all rights thereto, execute, verify, acknowledge and deliver all such further papers and instruments of assignment and transfer

thereof, and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain the listed Certificates and to vest title thereto in said ASSIGNEE or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, an authorized representative of ASSIGNOR has hereunto signed its name to this assignment on the date indicated below.

Date:	Arisix (S.A.)
	-P DE SAINT MART
	Print Name
	PAES: DENT
	Print Title
personally appeared the above-named	93, before me, the undersigned notary public, assignor, known to me (or proved to me on be the person whose name is subscribed to the that he executed the same.

Seal/Stamp



EXHIBIT

Certif. #	Date Status Begins	Crop	Variety Name	_
- 760003 2	09/15/77	L ettuce	Vanagara	Expired
-760 0039	12/08/77	Lettuce	Morangold	Expired
760501 8	09/28/77	Marigold	Cabaret Orange	Expired Expired Expired
7800028	05/3 1/79	Muskmelon	Valley Gold	
7800033	12/21/78	Radish	Fancy Red	
7800086	01/25/79	Lettuce	Deep Red	
7900038	01/14/82	Garden Bean	Blue Duet	
7900039	07/15/82	Garden Bean	Score	
7900066	11/27/79	Cauliflower	Snowball 123	
8000020	07/31/80	Muskmelon	Top Net	
8000082	12/10/81	Lettuce	Delmar	,
8100167	3/29/85	Lettuce	Yuma	
8100172	09/29/83	Lettuce	Van Mor	
8200027	04/23/83	Lettuce	El Toro	
8200045	09/23/82	Turnip	Royal Gem	
8200061	03/24/83	Watermelon	Sun Gold	
8200068	12/30/82	Egg Plant	Little Fingers	
8200104	10/28/82	Tomato	Advantage	
8200105	11/26/82	Tomato	Moran 3053]
8300024	12/30/83	Radish	Red King	
8300113	08/31/84	Muskmelon	Top Net SR	
8300155	02/22/85	Celery	Bishop	_
8300156	01/25/85	Celery	Deacon	
8300172	11/29/85	Tomato	Harris Morgan 3075	
8400013	2/19/88	Lettuce	Greenfield	<u></u>
8600032	03/11/88	Tomato	Murrieta II	

PLANT VARIETY PROTECTION REGISTRATION ASSIGNMENTS

Clause, S.A. to Harris Moran Seed Company

WHEREAS, Clause, S.A. ("Assignor"), a corporation organized and existing under the laws of France, has sold and transferred assets, including plant variety protection registrations, to Harris Moran Seed Company ('Assignee"), a corporation organized and existing under the laws of the State of Maryland;

WHEREAS, Assignor, is the owner of the following plant variety protection registrations:

VARIETY NAME	Registration No.		Issue Rate
BLUE DUET	790003 8		01/14/82
SCORE	7900039		07/15/82
TOP NET SR	8300113	` .	08/31/84
TOP NET	8000020		07/31/80
SNOWBALL 123	7900066		11/27/79
BISHOP	8300155		02/22/85
DEACON	8300156		01/25/85
LITTLE FINGERS	8200068		12/30/82
EL TORO MI	8200027		04/28/83
DELMAR MI	8000082		12/10/81
GREENFIELD MI	8400013		02/19/88
VAN MOR MI	8100172		03/29/83
YUMA MI	8100167		03/29/85

RED KING	8300024	12/30/83
MORAN 3053	8200105	11/26/82
ADVANTAGE	8200104	10/28/82
HARRIS MORAN 3075	8300172	11/29/85
ROYAL GEM	8200045	09/23/82
SUN GOLD	8200061	03/24/83

WHEREAS, Assignor is desirous of selling and Assignee is desirous of acquiring the aforesaid plant variety protection registrations of Assignor.

NOW THEREFORE, for \$10.00 and other good and valuable consideration, the receipt of which **is** hereby acknowledged, Assignor, by these presents sells, assigns and transfers to Assignee, its successors and assigns, all right title and interest in and to the above-referenced plant variety protection registrations, to be held and enjoyed by said Assignee, as fully as the same would have been enjoyed by said Assignor, had this assignment not been made.

Assignor also assigns and transfers to Assignee, any and all causes of action, claims, demands, or other rights occasioned from or because of any and all past infringement of any of the above referenced plant variety protection registrations.

Assignor further agrees that upon request, it will execute any and all documents necessary to vest all rights, title and interest in and to the above-referenced plant variety protection registrations

IN WITNESS	WHEREOF,	said	Assignor,	has	affixed	its	signature	hereto	this	<u>22</u> day	of
TRAVERS											

CLAUSE, S.A.

By: Name: Jolen W. fowh.

Title: CHANNAN

ASSIGNMENT OF INTELLECTUAL, PROPERTY

WHEREAS, HARRIS MORAN SEED COMPANY, a corporation duly organized and

existing under the laws of the State of Maryland, having its principal place of business at 45 11

Willow Road, Suite 3, Pleasanton, California 94588 ("Assignor"), has, pursuant to that certain

Bill of Sale and Assignment dated as of June 30, 1997, transferred to FERRY-MORSE SEED

COMPANY (CALIFORNIA), a corporation duly organized and existing under the laws of the

State of California, having its principal place of business at 555 Codoni Avenue, P.O. Box 4938,

Modesto, California 95352-4938 ("Assignee"), all of the intellectual property Assignor had

adopted, used and was using as of the effective date of this Assignment, including without

limitation, the intellectual property represented by the United States Plant Variety Protection

Certificates of Assignor identified on Schedule A hereto (collectively, the "Property"); and

WHEREAS, on the date hereof, Assignee has changed its name to "Harris Moran Seed

Company";

NOW, **THEREFORE**, effective by **this** instrument as of the close of business on

June **30, 1997**, and for good and valuable consideration, receipt of which is hereby

acknowledged, Assignor hereby assigns to Assignee any and all right, title and interest

worldwide in and to the Property and any and all recordations thereof, including, but not limited

to, the use of the Property in any manner, all benefit of any and all prior use of the Property, and

any and all rights to initiate claims-or proceedings for past, present& future infringements of

Assignor's rights, title and interest in and to the **Property**.

Dated: as of June 30, 1997

HARRIS MORAN SEED COMPANY

NEWY01A:171511:1:09/26/97

MYJUJIU

CERTIFICATE OF AMENDMENT OF THE

ARTICLES OF INCORPORATION

OF

FERRY-MORSE SEED COMPANY (CALIFORNIA) (a California corporation)

ENDORSED FILED

in the office of the Secretary of State of the State of California

JUN 3 0 1997

BILL JOHES, Segretary of State

To the Secretary of State State of California

Pursuant to the **provisions** of the General Corporation Law of the **State** of California, the undersigned officers of FERRY-MORSE SEED COMPANY (CALIFORNIA), a California **corporation** (the "Corporation"), do hereby **certify** as follows:

- 1. The name of the Corporation is Ferry-Morse Seed Company (California).
- **2.** Article One of the Corporation's Articles of Incorporation, which relates to the **name of** the Corporation, is hereby amended **in** its **entirety** to read as follows:

One. The name of **this** Corporation is: **HARRIS MORAN SEED COMPANY.**

- **3.** The amendment herein provided for has been approved by the Corporation's Board of Directors.
- 4. The amendment herein provided for was approved by the written consent of the Corporation's sole shareholder in accordance with the provisions of Section 902 of the California General Corporation Law. The total number of outstanding shares of the corporation is 5,000.

IN WITNESS WHEREOF, each of the undersigned does hereby declare under the penalty of perjury that he or she signed the foregoing Certificate of Amendment as of June 30,

1997, in the Town of Modesto, State of California, in the official capacity set forth beneath his or her signature and that the statements set forth in this certificate are true of his or her own knowledge.

Yves Queste, President

Nulla Andritalus

Helen Andritsakis, Secretary

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SECRETARY OF STATE



I, BILL JONES, Secretary of State of the State of California, hereby certify:

That the attached transcript has been compared with the record on file in this office, of which it purports to be a copy, and that it is **full**, true and correct.

IN WITNESS WHEREOF, I execute this certificate and affix the Great Seal of **the** State of California this

JUN 3 0 1997



Bill) mes

Secretary of State